



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification⁴: C12N 15/00, A01H 1/00 C12N 5/00, A01H 5/10 // C12N 9/10</p>	<p>A1</p>	<p>(11) International Publication Number: WO 87/05629 (43) International Publication Date: 24 September 1987 (24.09.87)</p>
<p>(21) International Application Number: PCT/EP87/00141 (22) International Filing Date: 11 March 1987 (11.03.87) (31) Priority Application Numbers: 86400521.0 (EP) 87400141.5 (EP) (32) Priority Dates: 11 March 1986 (11.03.86) 21 January 1987 (21.01.87) (33) Priority Countries: GB, et al. (71) Applicants (for all designated States except US): PLANT GENETIC SYSTEMS N.V. [BE/BE]; Kunstlaan 46, B-1040 Brussels (BE). BIOGEN N.V. [NL/NL]; Pieterma A 1 15, Willemstad, Curaçao (AN). (72) Inventors; and (73) Inventors/Applicants (for US only): LEEMANS, Jan [BE/BE]; Ellebochten 38, B-9210 Heusden (BE). BOTTERMAN, Johan [BE/BE]; Eedstraat 37, B-9710 Zwijnaarde (BE). DE BLOCK, Marc [BE/BE]; Vogelhoekstraat 32, B-9219 Gentbrugge (BE). THOMPSON, Charles [US/CH]; 19, chemin des Palottes, CH-1212 Grand-Lancy (CH). MOUVA, Rao [IN/CH]; 10, avenue Secheron, CH-1202 Genève (CH).</p>	<p>(74) Agent: GUTMANN, Ernest; S.C. Ernest Gutmann Yves Plasseraud, 67, boulevard Haussmann, F-75001 Paris (FR). (81) Designated States: AU, BJ (OAPI patent), BR, CF (OAPI patent), CG (OAPI patent), CM (OAPI patent), DK, FI, GA (OAPI patent), HU, JP, KR, MI (OAPI patent), MR (OAPI patent), NO, SN (OAPI patent), SU, TD (OAPI patent), TG (OAPI patent) US. Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>	
<p>(54) Title: PLANT CELLS RESISTANT TO GLUTAMINE-SYNTHETASE INHIBITORS, MADE BY GENETIC ENGINEERING</p> <p>(57) Abstract</p> <p>DNA fragment containing a determined gene, the expression of which inhibits the antibiotic and herbicidal effects of Bialaphos and related products. It also relates to recombinant vectors, containing such DNA fragment, which enable this protective gene to be introduced and expressed into cells and plant cells.</p>		